

IN THE CLAIMS

Please amend Claim 1, 3 and 5 to 8 as follows, and please add new Claims 10 to 18 as shown below. The claims, as pending in the subject application, read as follows.

1. (Currently Amended) A solar battery device, comprising:

a solar battery;

a power converter, arranged to convert electric power outputted from the solar battery;

an input connector, arranged to input electric power from outside said device;

an output connector, arranged to collect the electric power inputted by said input connector and the electric power outputted by said power converter, and output the collected electric power to outside said device;

a detector, arranged to detect a current value of an electric current output to of said output connector; and

a controller, arranged to control output of said power converter when the current value detected by said detector exceeds a threshold value which is predetermined based on a maximum rated current value of said output connector or the a current path of the output connector.

2. (Previously Amended) The device according to claim 1, wherein said controller halts output of said power converter in a case where a current value detected by said detector exceeds the threshold value.

3. (Currently Amended) The device according to claim 1, wherein said controller reduces output power of said power converter in a case where a the current value detected by said detector exceeds the threshold value.

4. (Original) The device according to claim 1, wherein said input and output connectors are a plug and a receptacle which are connectable to each other, wherein the plug is used for said input connector and the receptacle is used for said output connector.

5. (Currently Amended) The device according to claim 1, further comprising an indicator, arranged to indicate a control of state of an output of said power converter.

6. (Currently Amended) The device according to claim 1, wherein said power converter is an inverter for converting DC power, outputted by said solar battery, to AC power.

7. (Currently Amended) The device according to claim 1, wherein said power converter is a DC-DC converter for converting DC power, outputted by said solar battery, to DC power.

8. (Currently Amended) A generator for generating electric power comprising ~~the~~ a plurality of solar battery devices, each of which is ~~accorded~~ according to claim 1, wherein the solar battery devices are connected in a cascade.

9. (Original) A generator for generating electric power, comprising a plurality of the solar battery devices according to claim 1, wherein said solar battery devices are cascaded for each phase of a power path adopting a single-phase three-wire system.

10. (New) A solar battery device which is electrically connectable to at least one other solar battery device in parallel, comprising:

- a solar battery;
- a power converter, arranged to convert electric power output from the solar battery;
- an input connector, arranged to input electric power from another solar battery device connected in parallel;
- an output connector, arranged to collect the electric power input by said input connector and the electric power output by said power converter, and output the collected electric power to outside said device;

a detector, arranged to detect a current value of the collected electric power;  
and

a controller, arranged to control operation of said power converter so that the current value detected by said detector does not exceed a threshold value which is predetermined based on a maximum rated current value of the output connector or a current path of the output connector.

11. (New) The device according to claim 10, wherein said controller halts output of said power converter in a case where a current value detected by said detector exceeds the threshold value.

12. (New) The device according to claim 10, wherein said controller reduces output power of said power converter in a case where a current value detected by said detector exceeds the threshold value.

13. (New) The device according to claim 10, wherein said input and output connectors are a plug and a receptacle which are connectable to each other, wherein the plug is used for said input connector and the receptacle is used for said output connector.

14. (New) The device according to claim 10, further comprising an indicator, arranged to indicate a control state of an output of said power converter.

15. (New) The device according to claim 10, wherein said power converter is an inverter for converting DC power, output by said solar battery, to AC power.

16. (New) The device according to claim 10, wherein said power converter is a DC-DC converter for converting DC power, output by said solar battery, to DC power.

17. (New) A generator for generating electric power comprising a plurality of solar battery devices, each of which is according to claim 10, wherein the solar battery devices are connected in a cascade.

18. (New) A generator for generating electric power, comprising a plurality of the solar battery devices according to claim 10, wherein said solar battery devices are cascaded for each phase of a power path adopting a single-phase three-wire system.